

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	30	324/536.ccls. and (arc with fault with (detect\$3 sens\$3))	USPAT	OR	OFF	2005/09/12 13:58
S2	30	324/512,536.ccls. and (arc with fault with (detect\$3 sens\$3))	USPAT	OR	OFF	2003/07/03 13:35
S3	36	324/512,536.ccls. and (arc\$3 with fault with (detect\$3 sens\$3))	USPAT	OR	OFF	2003/07/03 13:36
S4	0	(324/512,536.ccls. and (arc\$3 with fault with (detect\$3 sens\$3))) and ((downstream upstream) with discriminat\$3)	USPAT	OR	OFF	2003/07/03 13:36
S5	2	(324/512,536.ccls. and (arc\$3 with fault with (detect\$3 sens\$3))) and (transient with event\$1)	USPAT	OR	OFF	2003/07/03 13:57
S6	12	((sens\$3 detect\$3) with current with (fluctuation\$1 chang\$3)) and ((sens\$3 detect\$3) with voltage with (fluctuation\$1 chang\$3)) and (compar\$4 with (polarit\$3 phase\$1)) and (arc\$3 with (fault event))	USPAT	OR	OFF	2003/07/07 09:55
S7	2	((sens\$3 detect\$3) with current with (fluctuation\$1 chang\$3)) and ((sens\$3 detect\$3) with voltage with (fluctuation\$1 chang\$3)) and (compar\$4 with (polarit\$3 phase\$1)) and (arc\$3 with (fault event))) and (branch\$3)	USPAT	OR	OFF	2003/07/03 14:00
S8	9	(arc\$3 with fault\$1 with protect\$3) and (polarit\$3 with compar\$5)	USPAT	OR	OFF	2003/07/07 13:05
S9	8	((arc\$3 with fault\$1 with protect\$3) and (polarit\$3 with compar\$5)) and ((voltage current) with (fluctuat\$4 ris\$3 drop\$3 chang\$2))	USPAT	OR	OFF	2003/07/07 10:28
S10	0	((arc\$3 with fault\$1 with protect\$3) and (polarit\$3 with compar\$5)) and ((voltage current) with (fluctuat\$4 ris\$3 drop\$3 chang\$2))) and (downstream upstream)	USPAT	OR	OFF	2003/07/07 10:28
S11	10	(branch with circuit\$1 with protect\$3) and (polarit\$3 with compar\$5)	USPAT	OR	OFF	2003/07/07 10:56
S12	6	((branch with circuit\$1 with protect\$3) and (polarit\$3 with compar\$5)) and (voltage\$1 with sens\$3) and (current\$1 with sens\$3)	USPAT	OR	OFF	2003/07/07 10:57

S13	23	((arc\$3 fault\$1 branch) with protect\$3) and (polarit\$3 with compar\$5 with voltage\$1 with current\$1)	USPAT	OR	OFF	2003/07/07 13:09
S14	6	((arc\$3 fault\$1 branch) with protect\$3) and (polarit\$3 with compar\$5 with voltage\$1 with current\$1)) and (((detect\$3 sens\$3 monitor\$3) with transient\$1) ((indicat\$3 determin\$3) with (arc\$3 fault) with (branch remainder)))	USPAT; EPO; JPO	OR	OFF	2003/07/07 13:12
S15	8	"4438475".URPN.	USPAT	OR	OFF	2003/07/07 16:13
S16	14544	((detect\$3 sens\$3 monitor\$3) with current with voltage with (fluctuat\$4 chang\$2 ris\$3 fall\$3 drop\$4))	USPAT	OR	OFF	2003/07/08 10:34
S17	361	((detect\$3 sens\$3 monitor\$3) with current with voltage with (fluctuat\$4 chang\$2 ris\$3 fall\$3 drop\$4))) and ((arc\$3 transient\$1) with (fault\$1 event\$1))	USPAT	OR	OFF	2003/07/08 10:36
S18	21	((detect\$3 sens\$3 monitor\$3) with current with voltage with (fluctuat\$4 chang\$2 ris\$3 fall\$3 drop\$4))) and ((arc\$3 transient\$1) with (fault\$1 event\$1)) ) and (polarit\$3 with compar\$5)	USPAT	OR	OFF	2003/07/08 13:23
S19	15	((detect\$3 sens\$3 monitor\$3) with current with voltage with (fluctuat\$4 chang\$2 ris\$3 fall\$3 drop\$4))) and ((arc\$3 transient\$1) with (fault\$1 event\$1)) ) and (polarit\$3 with compar\$5)) and (branch load)	USPAT	OR	OFF	2003/07/08 13:23
S20	0	"6397156".URPN.	USPAT	OR	OFF	2003/07/08 15:35
S21	35	"4922368".URPN.	USPAT	OR	OFF	2003/07/09 13:57
S22	23	"4922368".URPN. and (compar\$5 with (voltage\$1 current\$1 polarit\$3))	USPAT	OR	OFF	2003/07/08 16:12
S23	1	"4922368".URPN. and (compar\$5 with polarit\$3)	USPAT	OR	OFF	2003/07/08 15:58
S24	1	"4922368".URPN. and ((compar\$5 discriminat\$5) with polarit\$3)	USPAT	OR	OFF	2003/07/08 15:59
S25	4	"4922368".URPN. and (voltage\$1 with current\$1 with polarit\$3)	USPAT	OR	OFF	2003/07/08 16:23
S26	79	fault\$1 and (voltage\$1 with current\$1 with polarit\$3 with (compar\$5 discriminat\$3))	USPAT	OR	OFF	2003/07/08 16:25

S27	5	(fault\$1 and (voltage\$1 with current\$1 with polarit\$3 with (compar\$5 discriminat\$3))) and (arc\$3 with (location\$1 direction\$1))	USPAT	OR	OFF	2003/07/08 16:49
S28	1	"4351011".pn.	USPAT	OR	OFF	2003/07/08 16:49
S29	5	"4351011".URPN.	USPAT	OR	OFF	2003/07/08 17:29
S30	7	"4922368".URPN. and (High with low with filter\$3)	USPAT	OR	OFF	2003/07/09 13:59
S31	18	"4922368".URPN. and (High with pass with filter\$3)	USPAT	OR	OFF	2003/07/09 14:00
S32	3	("4922368".URPN. and (High with pass with filter\$3)) and microprocess\$3	USPAT	OR	OFF	2003/07/09 14:00
S33	1	(arc\$3 with fault\$1) and (upstream with downstream with discriminat\$3)	USPAT	OR	OFF	2004/01/12 11:48
S34	3	("5083086"   "5886861"   "5986860").PN.	USPAT	OR	OFF	2004/01/12 11:47
S35	61	((sens\$3 detect\$3) with arc\$3 with fault\$1) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with current) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with voltage) and (current with voltage with phase)	USPAT	OR	OFF	2004/01/12 11:50
S36	3	((((sens\$3 detect\$3) with arc\$3 with fault\$1) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with current) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with voltage) and (current with voltage with phase)) and (transient\$1 with event\$1)	USPAT	OR	OFF	2004/01/12 11:54
S37	1	"5875087".pn.	USPAT	OR	OFF	2004/01/12 14:29
S38	3	(arc\$3 with fault\$1) and (compar\$4 with voltage with current with phase\$1) and upstream and downstream	USPAT	OR	OFF	2004/01/12 14:30
S39	13	((((sens\$3 detect\$3) with arc\$3 with fault\$1) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with current) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with voltage) and (current with voltage with phase)) and (branch with circuit\$3)	USPAT	OR	OFF	2004/01/12 14:37

S40	3	((((sens\$3 detect\$3) with arc\$3 with fault\$1) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with current) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with voltage) and (current with voltage with phase)) and (branch with circuit\$3)) and (compar\$4 with phase\$1)	USPAT	OR	OFF	2004/07/09 11:56
S41	33	((sens\$3 detect\$3) with arc\$3 with fault\$1) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with current) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with voltage) and downstream and upstream	USPAT	OR	OFF	2004/07/08 17:04
S42	4	((((sens\$3 detect\$3) with arc\$3 with fault\$1) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with current) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with voltage) and downstream and upstream) and (compar\$6 with phase\$1)	USPAT	OR	OFF	2004/07/08 18:28
S43	2	09/828622 09/788206 09/776582 "09990809"	US-PGPUB	OR	OFF	2004/07/09 12:54
S44	0	"6663437".pn.	US-PGPUB	OR	OFF	2004/07/09 11:38
S45	0	"6633437".pn.	US-PGPUB	OR	OFF	2004/07/09 11:38
S46	1	"6633437".pn.	USPAT	OR	OFF	2004/07/09 11:38
S47	0	((((sens\$3 detect\$3) with arc\$3 with fault\$1) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with current) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with voltage) and (current with voltage with phase)) and (branch with circuit\$3)) and (compar\$4 with polarit\$4)	USPAT	OR	OFF	2004/07/09 11:59
S48	8	((sens\$3 detect\$3) with arc\$3 with fault\$1) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with current) and ((measur\$5 sens\$3 detect\$3 monitor\$3) with voltage) and (compar\$4 with polarit\$4)	USPAT	OR	OFF	2004/07/09 12:10
S49	0	361/78,79.ccls. and ((sens\$3 detect\$3) with arc\$3 with fault\$1) and (compar\$4 with polarit\$4)	USPAT	OR	OFF	2004/07/09 12:14
S50	19	361/78,79.ccls. and (compar\$4 with polarit\$4)	USPAT	OR	OFF	2004/07/09 12:11
S51	1	324/522,536.ccls. and ((sens\$3 detect\$3) with arc\$3 with fault\$1) and (compar\$4 with polarit\$4)	USPAT	OR	OFF	2004/07/09 12:47

S52	9	((sens\$3 detect\$3) with arc\$3 with fault\$1) and (compar\$4 with polarit\$4)	USPAT	OR	OFF	2004/07/09 12:48
S53	2	09/828622 09/788206 09/776582 09/990809	US-PGPUB	OR	OFF	2004/07/09 14:42
S54	5	09/828622 09/788206 09/776582 09/990809	US-PGPUB; USPAT	OR	OFF	2004/07/09 17:02
S55	4	("5682101"   "5834940"   "5963406"   "6088205").PN.	USPAT	OR	OFF	2004/07/09 14:46
S56	4	"5796259".pn. "4317151".pn. "4308565".pn. "4128805".pn.	US-PGPUB; USPAT	OR	OFF	2004/07/09 17:12
S57	5	"5796259".pn. "4317151".pn. "4308565".pn. "4128805".pn. "6584417".pn.	US-PGPUB; USPAT	OR	OFF	2004/07/09 17:20
S58	2	("5796259".pn. "4317151".pn. "4308565".pn. "4128805".pn. "6584417".pn.) and polarit\$5	US-PGPUB; USPAT	OR	OFF	2004/07/12 14:42
S59	6	"5796259".URPN.	USPAT	OR	OFF	2004/07/12 11:57
S60	6	("4251766"   "4352137"   "4591992"   "4731689"   "4868704"   "5572138").PN.	USPAT	OR	OFF	2004/07/12 11:58
S61	1	"6504692".pn.	US-PGPUB; USPAT	OR	OFF	2004/07/12 15:08
S62	4	("5682101"   "5834940"   "5963406"   "6088205").PN.	USPAT	OR	OFF	2004/07/12 18:54
S63	1	(arc\$3 with Fault with direction) and (voltage near3 current near3 phase)	US-PGPUB; USPAT	OR	OFF	2004/07/12 15:34
S64	108	(Fault with direction) and (voltage near3 current near3 phase)	US-PGPUB; USPAT	OR	OFF	2004/07/12 15:34
S65	4	((fault with direction).ti.) and (voltage near3 current near3 phase)	US-PGPUB; USPAT	OR	OFF	2004/07/12 16:50
S66	2	((fault with direction).ti.) and (voltage with current with phase with compar\$5)	US-PGPUB; USPAT	OR	OFF	2004/07/12 17:03
S67	21	"4251766".URPN.	USPAT	OR	OFF	2004/07/12 17:03
S68	6	"4251766".URPN. and (phase\$1 near3 compar\$5)	US-PGPUB; USPAT	OR	OFF	2004/07/12 17:18
S69	7	("3281673"   "3474333"   "3723864"   "3800215"   "3931502"   "4063300"   "4110684").PN.	USPAT	OR	OFF	2004/07/12 17:18
S70	0	((("3281673"   "3474333"   "3723864"   "3800215"   "3931502"   "4063300"   "4110684").PN.) and "in phase"	US-PGPUB; USPAT	OR	OFF	2004/07/12 17:19

S71	1	((("3281673"   "3474333"   "3723864"   "3800215"   "3931502"   "4063300"   "4110684").PN.) and (compar\$4 near3 phase\$1)	US-PGPUB; USPAT	OR	OFF	2004/07/12 17:53
S72	2	"5432455".pn. "4438475".pn.	US-PGPUB; USPAT	OR	OFF	2004/07/12 18:34
S73	0	(arc with fault\$1 near4 (direction upstream downstream)) and (phase near4 compar\$5 near4 voltage near4 current)	US-PGPUB; USPAT	OR	OFF	2004/07/12 18:36
S74	16	(fault\$1 near4 (direction upstream downstream)) and (phase near4 compar\$5 near4 voltage near4 current)	US-PGPUB; USPAT	OR	OFF	2004/07/12 18:36
S75	1	"5796259".PN.	USPAT	OR	OFF	2004/07/12 19:57
S76	1	"5439509".PN.	USPAT	OR	OFF	2004/07/12 19:57
S77	1	"5434509".PN.	USPAT	OR	OFF	2004/07/12 19:57
S79	0	(upstream with downstream with discriminat\$4) and (transient\$1 arc\$3) and (voltage near3in near3 phase) and (voltage near3 out near3 phase)	USPAT	OR	OFF	2005/01/05 12:18
S80	0	((upstream downstream) with discriminat\$4) and (transient\$1 arc\$3) and (voltage near3in near3 phase) and (voltage near3 out near3 phase)	USPAT	OR	OFF	2005/01/05 12:19
S81	6	((upstream downstream) with (sens\$3 detect\$3 discriminat\$4)) and (transient\$1 arc\$3) and (voltage near3in near3 phase) and (voltage near3 out near3 phase)	USPAT	OR	OFF	2005/01/05 14:31
S82	0	((upstream downstream) with (sens\$3 detect\$3 discriminat\$4)) and (transient\$1 arc\$3) and (voltage near3 in near3 phase) and (voltage near3 out near3 phase)	USPAT	OR	OFF	2005/01/05 12:19
S83	1	"4325098".pn.	USPAT	OR	OFF	2005/01/05 14:38
S84	1	"5796259".pn.	USPAT	OR	OFF	2005/01/05 15:23
S85	1	(determin\$5 near3 fault\$1 near3 direction) and (arc\$3 near3 fault\$1) and (compar\$5 near3 voltage near3 current near3 phase\$1)	USPAT	OR	OFF	2005/01/05 16:45

S86	2	(determin\$5 near3 fault\$1 near3 direction) and (arc\$3 near3 fault\$1) and (compar\$5 near3 (voltage\$1 current) near3 phase\$1)	USPAT	OR	OFF	2005/01/05 16:46
S87	6	(power near3 line\$1 with (arc\$3 fault\$1)) and (current near4 voltage near4 phase) and (phase same upstream same downstream)	USPAT	OR	OFF	2005/06/14 22:53
S88	1	"5237511".pn.	USPAT	OR	OFF	2005/06/14 22:40
S89	55	(power near3 line\$1 with (arc\$3 fault\$1)) and (current near4 voltage near4 phase) and (phase with (arc\$3 fault\$1) with (location direction))	USPAT	OR	OFF	2005/06/14 23:31
S90	5	S89 and upstream and (downstream branch)	USPAT	OR	OFF	2005/06/14 23:32
S91	18	324/536.ccls. and (compar\$5 near3 phase\$1)	USPAT	OR	OFF	2005/09/01 15:54
S92	21	324/536.ccls. and (compar\$5 near3 phase\$1)	US-PGPUB; USPAT	OR	OFF	2005/09/01 17:49
S93	5	324/536.ccls. and (compar\$5 near3 polarit\$3)	US-PGPUB; USPAT	OR	OFF	2005/09/01 17:51
S94	22	((measur\$5 sens\$3 detect\$3) near3 (arc\$3 transient\$1)).clm. and (compar\$5 near3 polarit\$3)	US-PGPUB; USPAT	OR	OFF	2005/09/01 17:52
S95	12	("3986115").URPN.	USPAT	OR	OFF	2005/09/02 14:51
S96	1	(transient near3 direction).ti. and (compar\$5 near3 phase)	USPAT	OR	OFF	2005/09/02 15:23
S97	21	((arc\$3 transient) near3 direction).clm. and (compar\$5 near3 phase)	USPAT	OR	OFF	2005/09/02 16:18
S98	28	((arc\$3 transient) near3 direction).clm. and (compar\$5 near3 phase)	US-PGPUB; USPAT	OR	ON	2005/09/02 16:19
S99	7	S98 not S97	US-PGPUB; USPAT	OR	ON	2005/09/02 16:18
S10 0	1	((arc\$3 transient) near3 direction).ti. and (compar\$5 near3 phase)	US-PGPUB; USPAT	OR	ON	2005/09/02 16:19
S10 1	0	((arc\$3 transient) near3 direction).ti. and (difference\$1 near3 phase)	US-PGPUB; USPAT	OR	ON	2005/09/02 16:20
S10 2	13	((arc\$3 transient) near3 (measur\$5 sens\$3 detect\$3 determin\$4)).ti. and (difference\$1 near3 phase)	US-PGPUB; USPAT	OR	ON	2005/09/02 16:33
S10 3	10	((upstram downstream) near3 (arc\$3 transient fault\$1) near3 phase)	US-PGPUB; USPAT	OR	ON	2005/09/02 16:33

S10 6	1	"5729145".pn.	USPAT	OR	OFF	2005/09/12 16:11
S10 7	1	"5223095".pn.	USPAT	OR	OFF	2005/09/12 16:12
S10 8	1	"5223795".pn.	USPAT	OR	OFF	2005/09/12 19:39
S10 9	1	324/536.ccls. and (load near2 current) and (line near2 voltage) and (compar\$5 near3 phase)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/12 20:05
S11 0	0	361/78,79.ccls. and (arc near3 direction)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/12 20:05
S11 1	2	361/78,79.ccls. and (arc near3 (upstream downstream))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/12 20:21
S11 2	6	((transient\$1 arc) near3 (upstream downstream)).ti.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/12 20:21
S11 3	203	((transient\$1 arc) near3 (upstream downstream)).clm.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/12 20:22
S11 4	0	((transient\$1 arc) near3 (upstream downstream)).clm. and (compar\$5 near3 phase\$1).clm.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/12 20:22
S11 5	1	((transient\$1 arc) near3 (upstream downstream)).clm. and (compar\$5 near3 phase\$1)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/12 20:23
S11 6	0	324/536.ccls. and (transient near3 dierection)	USPAT	OR	OFF	2005/09/13 11:44
S11 7	0	324/536.ccls. and (transient near3 dierection)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/13 11:56
S11 8	1	324/536.ccls. and (transient near3 direction)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/13 14:53
S11 9	10	324/536.ccls. and (arc near3 direction)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/13 18:17
S12 0	12	("3986115").URPN.	USPAT	OR	OFF	2005/09/13 16:18
S12 1	5	(arc near3 direction).ti.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/13 18:17